

# **Missouri Gypsy Moth Survey Report 2008**

Annual Summary  
Of Cooperative  
Gypsy Moth Survey Program

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### 2008 Gypsy Moth Survey Results

A total of 10 moths were reported from around the state. Moths were taken in 10 positive traps from the following 6 counties:

- Franklin (2)
- Jackson (1)
- Ozark (1)
- St. Louis (4)
- Webster (1)
- Wright (1).

Approximately 11,794 pheromone traps were placed around the state (96 of 114 counties) by all cooperators in the annual effort to detect the presence of this damaging insect pest. Primary trapping agencies were Missouri Departments of Agriculture and Conservation, USDA-APHIS-PPQ, with additional trapping conducted by U.S. Department of Defense, Missouri National Guard and U.S. Fish and Wildlife.

### Missouri Gypsy Moth Survey 2008 Positive Trap Catches

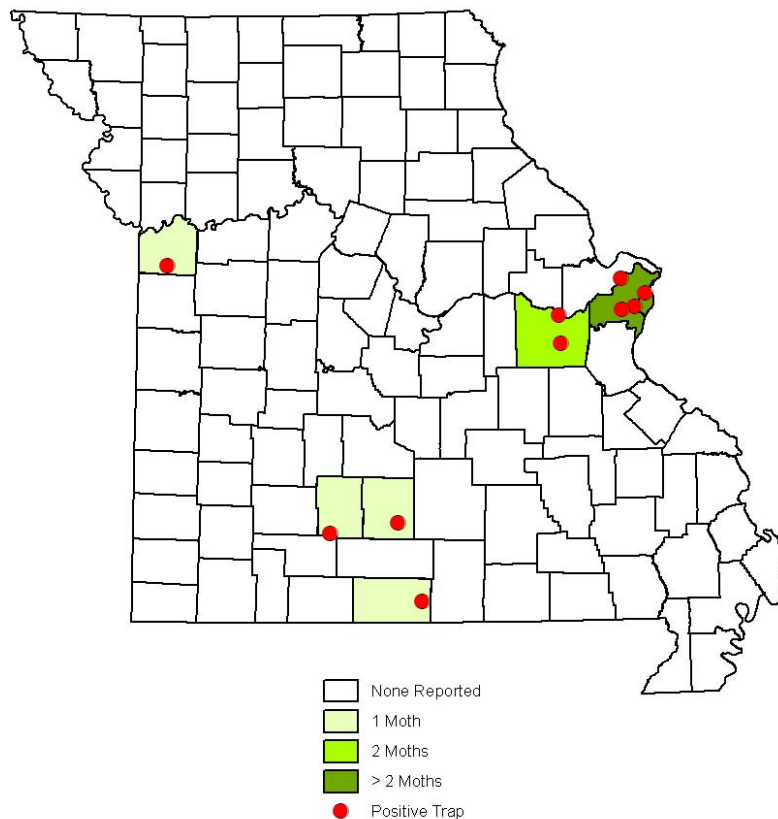


Figure 1. 2008 Missouri Gypsy Moth Positives

**Table 1. Historic Gypsy Moth Trapping Data in Missouri**

Year	# Traps used in survey	Area surveyed	# Multiple catches	Total number of moths taken
1967-1973	??	Limited statewide	0	0
1974	??	Limited statewide	0	1
1976-1979	??	Limited statewide	0	0
1980	??	Limited statewide	0	3
1981	3,500	1/3 of state	1	9
1982	4,200	1/3 of state	1	14
1983	5,700	1/3 of state	1	11
1984	6,000	1/3 of state	1	13
1985	5,152	½ of state	2	22
1986	6,900	½ of state	0	8
1987	7,320	½ of state	0	5
1988	7,600	½ of state	2	11
1989	7,515	86/114 counties	2	11
1990	7,432	61/114 counties	0	8
1991	6,819	65/114 counties	3	35
1992	8,721	67/114 counties	7	33
1993	9,032	48/114 counties	7	62
1994	13,000	97/114 counties	5	40
1995	12,500	85/114 counties	2	26
1996**	11,500	114/114 counties	0	6
1997	10,500	108/114 counties	2	13
1998	10,500	108/114 counties	2	17
1999	12,200	99/114 counties	1	13
2000	11,000	100/114 counties	2	12
2001	12,000	109/114 counties	1	6
2002	11,400	102/114 counties	0	4
2003	11,508	102/114 counties	0	11
2004	11,500	102/114 counties	2	18
2005	11,500	102/114 counties	0	10
2006	9,150	61/114 counties	4	17
2007	9906	80/114 counties	0	7
2008	11,794	96/114 counties	0	10
**Entire state surveyed			<b>Total # moths taken in 41 years</b>	<b>456</b>

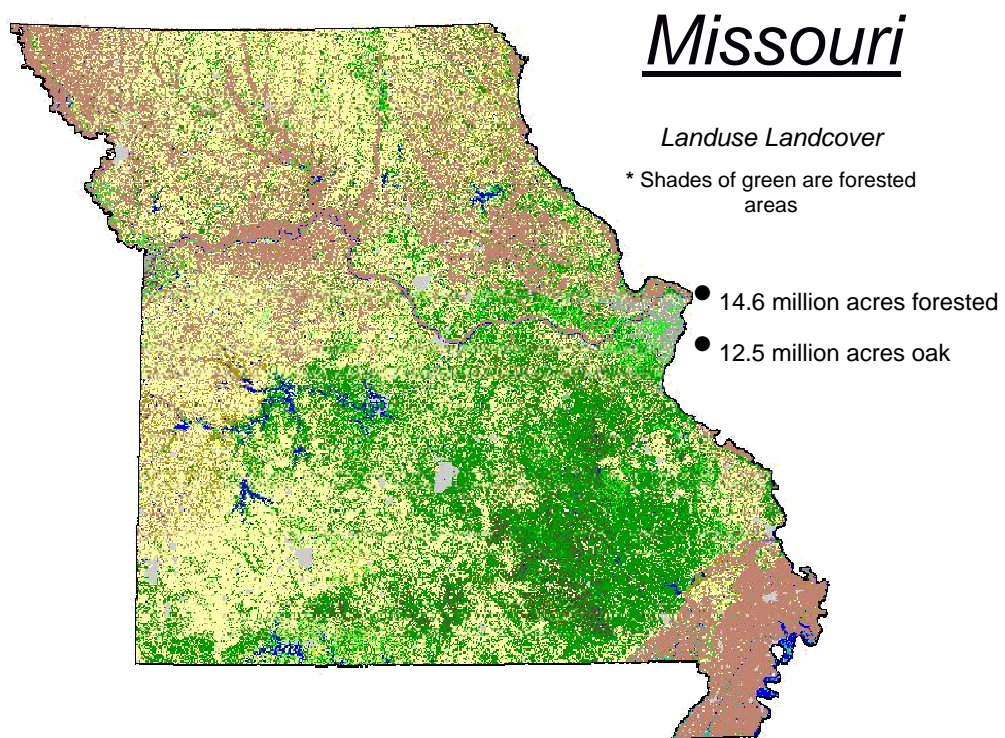


Figure 2. Missouri Forest Area

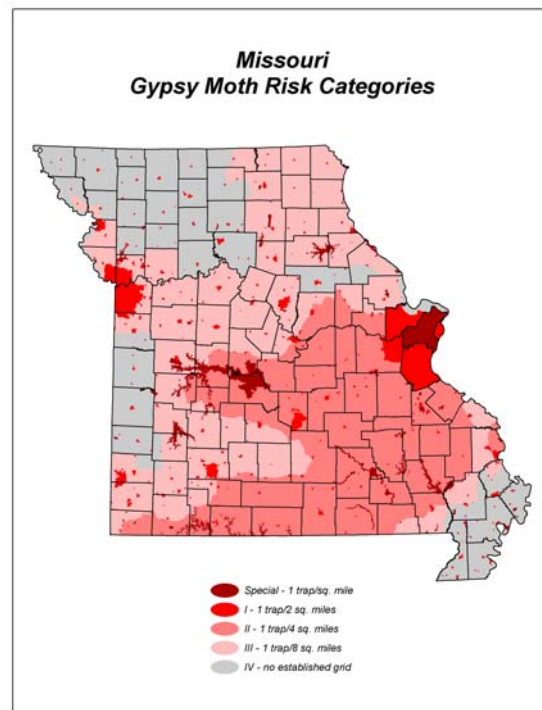


Figure 3. Gypsy Moth Risk Categories and Trap Densities

# 2008 Gypsy Moth Survey Trapping Assignments and Trap Placement

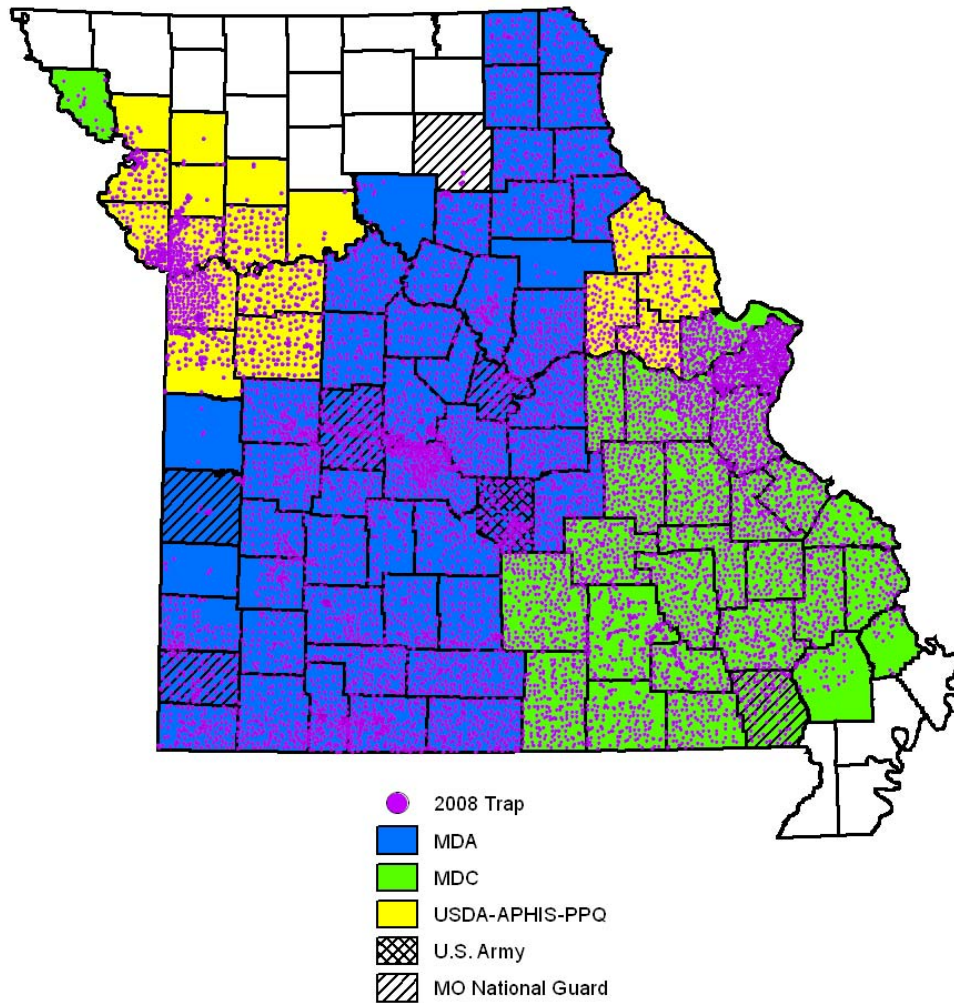


Figure 4. Missouri Gypsy Moth Trap Locations  
and Agency Trapping Assignments

# Missouri Gypsy Moth Survey Positive Trap History 1980-2008

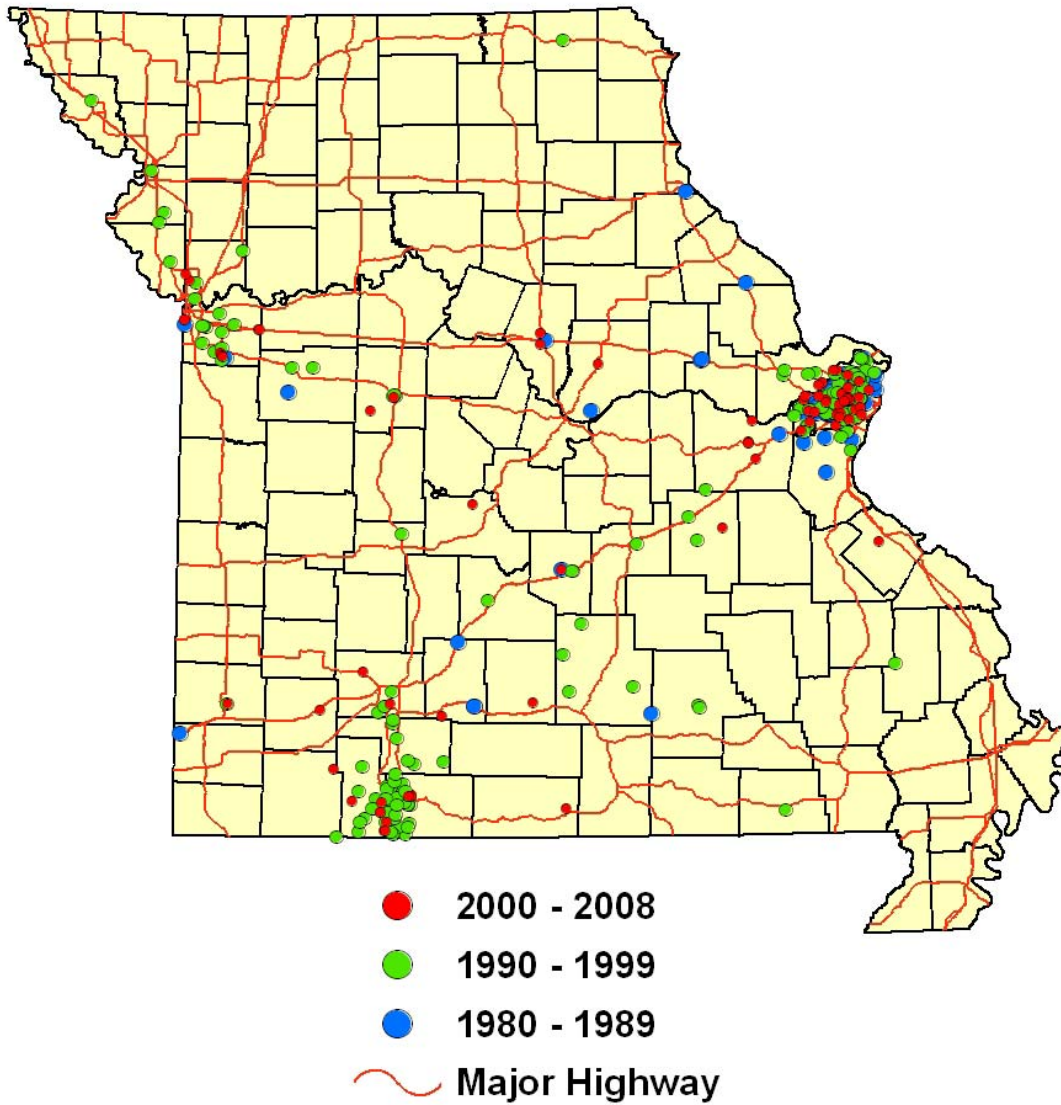


Fig. 5. Gypsy moth captures 1980-2008